



High Capacity 38.4kWh
Up to 10 units in parallel



High Power 14.4kW
Whole home backup



10 year Warranty
20 year serviceable



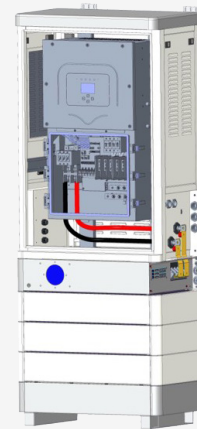
Sol-Ark Communications
Real time tracking of PV, Battery, Grid,
Load, and Generator



Modular Design
Each module has a capacity of 4.8kWh,
with each Stack supporting 2-8 modules.



Safe for Home & Environment
Cobalt Free, low voltage
UL 1642, UL 1973, UN 38.3



INTEGRATED SERIES BATTERY SPECIFICATIONS

Flexible Design that is expandable. Choose from 2, 3, 4, 5, 6, 7, or 8 modules.

# of Modules*	Capacity	Power	Surge(10s)	Weight	Height
2 Modules	9.6kWh	9.6kW	12kW	324lbs	68.25in
3 Modules	14.4kWh	14.4kW	16.8kW	432lbs	73.in
4 Modules	19.2kWh	14.4kW	16.8kW	420lbs	78.75in
5 Modules	24kWh	14.4kW	16.8kW	648lbs	84in

*Additional Modules can be added in the future.



Max Allowed PV Power	6500W + 6500W = 13000W
Max PV Power Delivered to Battery & AC Outputs	12000W
Number of MPPT	2
Max AC Coupled Input (Micros/String Inverters)	9600W
Continuous Battery Charging & Output	185A
Grid to Batt Charging Efficiency	96.0%
Continuous AC Power to Grid (On-Grid)	9000W 37.5A-L (240)
Continuous AC Power to Load (Off-Grid)	9000W 37.5A-L (240)
Surge AC Power 10sec	16,000VA L-L (240V)
Surge AC Power 100ms	25,000VA L-L(240V)
Response Time (Grid-Tied to Off-Grid)	4ms

INTEGRATED SERIES BATTERY SPECIFICATIONS

Battery Chemistry Technology	Lithium Iron Phosphate
Total Energy [kWh]	9.6, 14.4, 19.2, 24, 28.8, 33.6, 38.4
Continuous Power Output [kW]	9.6, 14.4, 14.4, 14.4, 14.4, 14.4, 14.4
Capacity [Ah]	200, 300, 400, 500, 600, 700, 800
Nominal DC Voltage [V]	48
DC Voltage Range [V]	46-56
Recommended Charge Current [A]	200, 300, 300, 300, 300, 300, 300
Max Discharge Current (Continuous) [A]	200, 300, 300, 300, 300, 300, 300
Max Pulse Current DC (for 10 sec) [A]	250, 350, 350, 350, 350, 350, 350
Charge Temperature [F]	32-113
Discharge Temperature [F]	14-140
Dimensions [WxDxH, inch]	29 x 15.75 x 68.25, 73.5, 78.75, 84, 89.25, 94.5, 99.75.
Weight [lbs]	324, 432, 540, 648, 756, 864, 972
Enclosure Rating	IP55
Mounting Options	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3
Warranty	10 Years
Service Plan	20 Years Serviceable
Scalability	Units in parallel (384 kWh)
Communication	CAN/RS485
Efficiency	>98%
Sol-Ark Inverters	Compatible with 8k, 12k